

Title (en)
FORMULATED RESIN COMPONENT FOR USE IN A SPRAY-IN-PLACE FOAM SYSTEM TO PRODUCE A LOW DENSITY POLYURETHANE FOAM

Title (de)
HERGESTELLTE HARZKOMPONENTE ZUR VERWENDUNG IN VOR ORT EINZUSETZENDEN VERSCHÄUMUNGSSYSTEMEN ZUR HERSTELLUNG EINES POLYURETHANSCHAUMES MIT NIEDRIGER DICHTÉ

Title (fr)
COMPOSITION DE RESINE FORMULÉE POUR L'UTILISATION COMME SYSTÈME DE MOUSSE À ÊTRE PROJÉTÉ EN PLACE POUR LA PRÉPARATION D'UNE MOUSSE DE POLYURÉTHANE DE FAIBLE DENSITÉ

Publication
EP 1512708 A1 20050309 (EN)

Application
EP 04017067 A 20040720

Priority
US 64445003 A 20030820

Abstract (en)
The subject invention provides an open-celled polyurethane foam formed from a polyurethane spray foam system that mixes a formulated resin component with an isocyanate component. The resultant open-celled polyurethane spray foam has a density of about 1/2 pound per cubic foot. The resin component includes water as a blowing agent, a first aliphatic, amine-initiated polyol having a number-average molecular weight of from 150 to 500 and having tetra-functionality, and a second polyol having terminal hydroxyl groups and having a number-average molecular weight of from 3500 to 8000. A curing component having at least one primary amine group and having a number-average molecular weight of from 150 to 5000 is also included in the resin component. The spray foam system reacts a) the resin component and b) the isocyanate component in a volumetric ratio of a) to b) of from 1:1.2 to 1:5 and having an isocyanate index of from 15 to 70.

IPC 1-7
C08G 18/66; **C08G 18/50**; **C08G 18/48**; **C08G 18/76**; **C08J 9/08**

IPC 8 full level
C08G 18/48 (2006.01); **C08G 18/50** (2006.01); **C08G 18/66** (2006.01); **C08G 18/76** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [X] US 2002169227 A1 20021114 - ALLEN MARK P [US], et al
• [X] US 5340900 A 19940823 - SPITZER MARTIN [DE], et al
• [A] US 2002035165 A1 20020321 - BRUCHMANN BERND [DE], et al

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